

Comparative Statement

Tender Number:BBMP/2017-18/OW/WORK INDENT27628

Tender Name:Drilling of Borewells & Providing RO Plants at Dwarakanagara Palanahalli Thirumenahalli and Srirampura in Ward No05

SNo	Item Name	Item Code	Unit	Estimate Quantity	Estimate Rate	Total Amount	GOPIREDDY	
							Quoted Rate	Total Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and as per the direction of engineer in charge of work	1	cum	59.85	305.64	18292.554	325.0	19451.25
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the direction of engineer in charge of work	2	cum	14.85	5256.36	78056.946	6000.0	89100
3	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications and as per the direction of engineer in charge of work	3	cum	30.78	4521.96	139185.9288	5000.0	153900
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications and as per the direction of engineer in charge of work	4	Cum	11.43	5405.4	61783.722	6000.0	68580
5	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.68 cum and fine aggregates @ 0.458cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the direction of engineer in charge of work	5	cum	3.78	5876.28	22212.3384	6500.0	24570

6	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.460cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footing, pedestals, retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, bed blocks, anchor blocks, and plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the direction of engineer in charge of work	6	cum	4.41	6491.88	28629.1908	7000.0	30870
7	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the direction of engineer in charge of work	7	MT	0.27	65455.56	17673.0012	70000.0	18900
8	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m ³ and having a minimum average compressive strength 5.00 N/mm ² conforming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications and as per the direction of engineer in charge of work	8	sqm	262.08	897.48	235211.5584	1200.0	314496
9	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications, cement mortar 1:6 and as per the direction of engineer in charge of work	9	sqm	555.21	224.64	124722.3744	250.0	138802.5
10	50mm dia M.S.Hallow pipes B class 14 gauge P.NO.X.SL.NO 286 and as per the direction of engineer in charge-	10	kgs	248.94	60	14936.4	75.0	18670.5

11	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvalume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150	11	sqm	126.9	1063.8	134996.22	1200.0	152280
12	Mineral Fiber false ceiling Providing and laying of world class mineral acoustic ceiling panels of as per the following specification:- Tile of approved make Mineral Acoustic ceiling panels of size 595x595mm-12mm thick suitable for use in arrears up to 40 C and RH 70UR as per manufacturer. Tile have 15 min fire retardant and does not contain asbestos/urea formaldehyde. Technical details of New Modena are- Thermal conductivity Non-disposable. Light Reflection 80% fire resistance Non-resistance Non-disposable. Mineral fiber ceiling panels are placed inside the grid work and as per the direction of engineer in charge of work	12	sqm	100.62	2226	223980.12	2500.0	251550
13	Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots; P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; the assembled frame fitted with the corner	13	sqm	55.08	6718.68	370064.8944	7010.0	386110.8

14	Providing flooring with 60 cms. x 60 cms. size Vitrified glazed tiles of approved quality & make, fixed on top of existing flooring fixed with suitable adhesive, including cutting the tiles to the required size and fixing etc., complete as per the direction of engineer in charge of work	14	Sqm	130.14	1108.08	144205.5312	1250.0	162875
15	Providing and fixing pull and push type rolling shutters of approved make out of 18 gauge, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m and as per the direction of engineer in charge of work	15	sqm	66.15	3033.72	200680.578	3500.0	231525
16	Providing and laying flooring using polished, water cut gang saw 19mm thick granite laid over bed of 20mm thick CM 1:4 and jointed with neat cement slurry mixed with pigments to match shade of granite slabs including laying of POP on finished surface and cladding the surface including cost of all materials and labour etc, complete as per specifications. using solver grey granite/mulky red/ruby red/black/Hassan green granite of width not less than 1200mm and as per the direction of engineer in charge of work	16	sqm	22.68	2828.52	64150.8336	3000.0	68040
17	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications, with primer and as per the direction of engineer in charge of work	17	sqm	555.21	85.32	47370.5172	100.0	55521
18	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and as per the direction of engineer in charge of work	18	sqm	173.25	88.56	15343.02	100.0	17325
19	Conveying the excavated earth by private vehicle up to 15KMS including lead and lift loading unloading etc., complete. and as per the direction of engineer in charge of work	19	cum	59.85	100.6	6020.91	125.0	7481.25

20	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications and as per the direction of engineer in charge of work	20	ltr	18000	6.48	116640	10.0	180000
21	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) 25MM DIA and as per the direction of engineer in charge of work	21	m	450	270	121500	280.0	126000
22	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and as per the direction of engineer in charge of work	22	each	27	648	17496	670.0	18090
23	SKID SS 202, PUMP CRI1HP, VESSEL-1354 PENTAIR, PRESSURE GAZE 10KGS NORMAL, MPV-1"NB FRONT FACE FILTER, HOUSING 20"JUMBO-1", SPUN 20 JUMBO, PUMP CRI 2 -180-3, PT-8040 FRP PANTHER, MEMBRANE DOW 8040, CONTROL PANNEL 1X3 (SUPER), ROTAMETER 120-1680 ACRYLIC, ROTAMETER 400-2000 ACRYLIC, PRESSURE GAZE GLYSERINE - 21KG PANTHER, BRINE CON VALVE 3/4, ACRYLIC SHEET, LPS DENFOS, HPS DENFOS, DOSINGPUMP DOSE, SAND, CHEEPS, ACTIVATED CARBON INDUSTRIAL, ANTI DOSING CHEMICAL, HANDLE VALVE, ASSEMBLING AND COMMISSIONING, TANK SS304 1000LTR and as per the direction of engineer in charge of work	23	nos	9	500000	4500000	555000.0	4995000
24	Open conduit System: Supplying heavy gauge PVC conduit pipe dia conforming to IS 2509 with suitable size bends, plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using WF screws.a) 19/25 mm dia 2mm thick and as per the direction of engineer in charge of work	24	m	450	54	24300	65.0	29250
25	Supplying and flush mounting teak wooden box without front plank, made of not less than 15mm thick wood, after due groove cutting, necessary masonry patch work complete, d)8"x6"x3"(203x152x76mm) and as per the direction of engineer in charge of work	25	each	36	72	2592	85.0	3060

26	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduiting casing capping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6amps flush type SP control switch shall be fixed on the existing plastic sheet /gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. 1. Point wiring using class A materials a) Short point upto 3Mtr from tapping point to out let via switch and as per the direction of engineer in charge of work	26	each	9	174	1566	200.0	1800
27	b) Medium point above 3Mtr upto 6Mtr from tapping point to out let and as per the direction of engineer in charge of work	27	each	9	245	2205	300.0	2700
28	c) Long point above 6Mtr upto 10Mtr from tapping point to out let and as per the direction of engineer in charge of work	28	each	36	363	13068	400.0	14400
29	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required b) 6Amps 3/5 way and as per the direction of engineer in charge of work	29	each	9	127	1143	150.0	1350
30	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100V grade, multis and Copper WITH LOW conductor single core cable in open or concealed system of wiring I Group A Materials a) 1.5 sqmm and as per the direction of engineer in charge of work	30	m	720	13	9360	18.0	12960
31	b) 2.5sqmm and as per the direction of engineer in charge of work	31	m	270	18.6	5022	25.0	6750
32	c) 4 sqmm and as per the direction of engineer in charge of work	32	m	1440	29.2	42048	35.0	50400
33	Supplying and fixing phylum brand hand plastic sheet 4mm thick with necessary niches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F.screw and as per the direction of engineer in charge of work	33	sqm	13500	0.25	3375	0.35	4725
34	Supplying and fixing pbbc bakelite light stright or slant batton holder and wiring within 60V/230volts lamp group A and as per the direction of engineer in charge of work	34	each	36	88	3168	100.0	3600
35	Supply patti type tube light fittings of 4-28 watts fluorescent tube fittings made out of Ms sheet ans stove enameled with low loss open construction copper wound ferromagnetic ballast starter locking type brass contact holders mounted on double fold type sheet base fully wired for use on 220 volts AC supply including 15 lamp and as per the direction of engineer in charge of work	35	each	18	699	12582	720.0	12960
36	Supply wall mounting fan suitable to operate of single phase - 230V A.C supply 400mm sweep a and as per the direction of engineer in charge of work	36	each	9	2534	22806	2800.0	25200

37	Supplying decorative horizontal type street light fluorocent fitting weather and water proof complete with energy saving electronic ballast etc., locking type brass contact holders with one number of 4ft 40watt fluorescent tube completely wired for use on 230/250volts 50cycles AC supply with opel reeded papspe cover of bottom complete fitting 1x4"-28watts and as per the direction of engineer in charge of work	37	each	9	1866	16794	2000.0	18000
38	FSUPPLING OF 2 PIN/4PIN 18W CFL LAMP and as per the direction of engineer in charge of work	38	each	18	120	2160	150.0	2700
39	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with plank made out of not more than 2 pices and fixing the same to the wall using tapered inverted woode plug screws etc., a) 20"x20"2.5" chapter and as per the direction of engineer in charge of work	39	each	18	302	5436	350.0	6300
40	Supplying and fixing of Procelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete.a) 32Amps and as per the direction of engineer in charge of work	40	each	54	180	9720	200.0	10800
41	Supply of an load charge over switches 4poles 415v 50Hz A.C supply with AC23A duty a) up to 63amps Groups A and as per the direction of engineer in charge of work	41	each	9	4892	44028	5000.0	45000
42	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required, and as per the direction of engineer in charge of work	42	each	9	1936	17424	2000.0	18000
43	5-32amps TPN and as per the direction of engineer in charge of work	43	each	27	1547	41769	1800.0	48600
44	Supplying fixing and wiring Electronic10 to 40 amps Three phase 4wire class -1 Accuracy energy meter Group A and as per the direction of engineer in charge of work	44	each	9	4900	44100	5100.0	45900
45	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal propotion of salt and charcoal 150mm around the pipe to complete depth, the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia and as per the direction of engineer in charge of work	45	nos	18	2727	49086	3000.0	54000

46	Supplying and running of GI/Copper strips for grounding connections using necessary fixing material as required GI strip 25x3mm and as per the direction of engineer in charge of work	46	m	135	77	10395	100.0	1350
47	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class.1. Class 'A' PVC cable with 16 sqmm chapter and as per the direction of Cable d) 4 core 16 sqmm chapter and as per the direction of engineer in charge of work	47	m	360	140.4	50544	200.0	7200
48	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 1. In existing trench/duct a) 6 sqmm to 16 sqmm and as per the direction of engineer in charge of work	48	m	270	16.2	4374	20.0	5400
49	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating and as per the direction of engineer in charge of work	49	m	270	117	31590	130.0	35100
50	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class a) 40mm chapter and as per the direction of engineer in charge of work	50	m	72	345	24840	405.0	29160
51	Supplying & fixing L.T cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers ect b) 16 Sqmm and as per the direction of engineer in charge of work	51	each	9	280	2520	300.0	2700
52	Providing BESSCOM deposits excluding ESCOM 3 phase energy meter (as per intimation letter from ESCOMS) for 10hp 3phase power supply under LT-5 tariff and as per the direction of engineer in charge of work	52	L.S	9	5000	45000	5500.0	49500
53	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS or P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality/ 1.0 meter in consolidated formation for proper sealing of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc, as per Specification and as per the direction of engineer in charge of work	53	each	9	1938.46	17446.14	2000.0	18000

54	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.) and as per the direction of engineer in charge of work 0 m to 50m	54	m	450	315.18	141831	350.0	157500
55	50m to 100m	55	m	450	412	185400	450.0	202500
56	100m to 150m	56	m	450	458.35	206257.5	475.0	213750
57	150m to 200m	57	m	450	484.1	217845	500.0	225000
58	200m to 250m	58	m	450	560.32	252144	580.0	261000
59	251m to 300m	59	m	450	600.49	270220.5	650.0	292500
60	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material conforming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded conforming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end and as per the direction of engineer in charge of work	60	Rmt	486	1325	643950	1500.0	729000
61	Providing 250mm dia PVC Pipe BWSSB and as per the direction of engineer in charge of work	61	Rmt	108	1064	114912	1200.0	129600
62	Providing 175mm dia ms casing cap and as per the direction of engineer in charge of work	62	nos	9	103	927	120.0	1080
63	Providing MS Casing pipe collars and as per the direction of engineer in charge of work	63	nos	54	154.5	8343	175.0	9450
64	Supply and delivery at site brand New texmo/ innova/ Lubri/ Sabar / Atalanta/ Calama/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete. The pump and motor shall form an integral unit with all the required fittings and as per the direction of engineer in charge of work	64	nos	9	70600	635400	74000.0	666000

65	Providing and fixing to wall ceiling and floor galvanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications and as per the direction of engineer in charge of work	65	m	2700	540.6	1459620	600.0	162000
66	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3 class 5 of IS:8130 1984 and virgin grade PVC insulation and Powder coated 1984 and virgin grade PVC sheathed suitable for working voltage upto 1100 volts as per IS - 694 : 1990 AND CONFORMING TO gip OF GROUP A.P. No. 12/1 No. (2.10.4) 3cx 6.0 Sqm and as per the direction of engineer in charge of work	66	m	5580	188.7	1052946	220.0	122760
67	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes including transportation each length pro 558 into 3 bwsb and as per the direction of engineer in charge of work	67	nos	450	88	39600	100.0	45000
68	Supplying and flush polished wood board with out front flount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc and as per the direction of engineer in charge of work	68	each	9	302	2718	325.0	2925
69	KV LT UG cable having aluminium conductor PVC insulated sheathed, EXTREDED INNER SHEATHED galvsnised steel strip confirming IS 3975:1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1:1998 and confirming to GTP of group and as per the direction of engineer in charge of work	69	m	315	140.4	44226	165.0	51975
70	Labour charges for laying of 1.1 KV class UG cable, P No. 61/1 No. 7.8.1 in existing trench/duct 6Sqmm to 16 Sqmm) KPWD Electrical S and as per the direction of engineer in charge of work	70	m	315	10.8	3402	15.0	4725
71	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating and as per the direction of engineer in charge of work	71	m	270	117	31590	125.0	33750
72	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class and as per the direction of engineer in charge of work	72	m	27	345	9315	400.0	10800
73	Supplying and fixing LT cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating washers and as per the direction of engineer in charge of work	73	nos	9	280	2520	325.0	2925

74	Supplying, fixing, wiring, earth electrode for grounding conduits, 1 C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of soil and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia and as per the direction of engineer in charge of work	74	nos	9	2727	24543	2900.0	26100
75	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... and as per the direction of engineer in charge of work	75	each	27	360	9720	400.0	10800
76	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete and as per the direction of engineer in charge of work	76	each	108	86	9288	100.0	10800
77	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials wiring complete as required 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications and as per the direction of engineer in charge of work	77	each	9	1547	13923	1700.0	15300
78	Fabrication supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 and as per the direction of engineer in charge of work	78	sqcm	338850	0.33	111820.5	0.38	128763
79	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and as per the direction of engineer in charge of work	79	nos	9	1565.76	14271.84	1700.0	15300
80	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete and as per the direction of engineer in charge of work	80	nos	18	227.9	4102.2	300.0	5400
81	Gate value 50 mm nominal bore gun metal and as per the direction of engineer in charge of work	81	nos	27	1650	44550	1750.0	47250
82	NIPPLE 50 mm nominal bore gun metal and as per the direction of engineer in charge of work	82	nos	9	104.3	938.7	125.0	1125

83	5 H.P. 50 mm nominal bore gas meter and as per the	83	nos	27	210	5913	2300	9210
84	100 mm nominal bore gas meter and as per the direction of	84	nos	9	169	1521	1750	1575
85	100 mm nominal bore gas meter and as per the direction of	85	nos	9	10000	90000	120000	100000
86	Change of work Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical etc etc either in pits or in trenches 1.5m and above in width, in ordinary soil exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods and as per the direction of engineer in charge of work	86	Cum	931.5	166.42	155020.23	185.0	172327.5
87	engineer in charge of work (PVC pipes including cost of providing and installing at site of work, laying into trenches, pipes and special and labour including) lowering into trenches laying true to line level and perfect lifting at joints, leak proof including jointing of approved type with all labour and lift charges including charges including encasing the pipes all round to a depth not less than 15 cms with gravel or selected earth available from the excavation etc (complete PVC pipe of 100mm dia) and as per the direction of engineer in charge of work	87	m	2070	115.36	238795.2	140.0	289800
88	Change of work Flying available excavated earth (excluding rock) in sides of foundations upto 10m in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m and as per 1.5m including cost of all labour complete as per specifications and as per the direction of engineer in charge of work	88	cum	931.5	95.4	88865.1	125.0	116437.5
89	BE.SCOM Depot:	89	job	9	11105	99945	115000	103500
	Total Summary Amt. unit					13499997.55	11989067	15118521.5
	% against Estimated Rate							
	% against CSR							
	Total Bid Amount						15118521.30 (L1)	

Executive Engineer
20/12/17
Division